GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:3541
ANSWERED ON:12.12.2002
USE OF NCES
JAGMEET SINGH BRAR

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the major schemes in different States for supplementary power requirements and their capacities;

(b) the new schemes/plans to encourage use of non-conventional energy sources in different States; their capacities and the rates at which power/electricity is made available; and

(c) the steps taken to make optimum use of solar energy?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN)

(a)&(b): Various schemes/programmes such as wind power, solar power, biomass and bagasse based cogeneration, biomass gasifiers, small hydro power and energy-from-wastes are being implemented for generation of power from non-conventional energy sources in different States. A total of 3636 MW cumulative power generation capacity has been installed as on 30th September, 2002. A capacity addition of 400 MW is envisaged during the current financial year 2002-03. The details of the average cost of electricity generation through non-conventional energy sources is given in the Annexure.

(c): The Ministry is implementing various programmes for utilization of solar energy such as solar photovoltaic lighting and water pumping systems; solar cookers; solar thermal water heating systems and solar power generation, throughout the country. Fiscal, financial and promotional incentives which include Central Financial Assistance; 80% accelerated depreciation; relief in customs duty, excise duty, sales tax; soft term loans; and, State policies for wheeling, banking, buy-back, third party sale of power, are being provided to encourage use of non-conventional energy sources, including solar energy.
Annexure

Annexure-I referred to in reply to part (a) & (b) of Lok Sabha Unstarred Question No.3541 for 12-12-2002 regarding Use of NCES.

The details of average cost of electricity generation through non-conventional energy sources

S.No.	Name of Scheme/Programme	Average Cost of electricity generation per unit (in rupees)
1.	Wind Power	2.25 - 2.75
2.	Biomass Power	2.00 - 3.00
3.	Solar Power	9.00 - 20.00
4.	Biomass Gasifier	2.25 - 2.75
5.	Small Hydro Power	2.00 - 3.50
6.	Energy from Wastes	1.75 - 3.50